

Ganoderic acid H Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganoderic acid H

Catalog No.: CFN92056

Cas No.: 98665-19-1

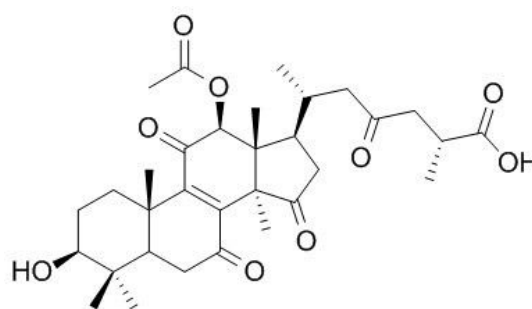
Purity: > 95%

M.F: C₃₂H₄₄O₉

M.W: 572.7

Physical Description: Powder

Synonyms: 12-Acetoxy-3-hydroxy-7,11,15,23-tetraoxolanost-8-en-26-oic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The fruiting bodys of *Ganoderma lucidum*.

[Biological Activity or Inhibitors]

Ganoderic acid H(GA-H)and ganoderic acid A(GA-A) suppress growth (cell proliferation and colony formation) and invasive behavior (adhesion, migration and invasion) of MDA-MB-231 cells; they mediate their biological effects through the inhibition of transcription factors AP-1 and NF-kappaB, resulting in the down-regulation of expression of Cdk4 and the suppression of secretion of uPA, respectively; furthermore, the activity of ganoderic acids is linked to the hydroxylation in the position 7 and 15 (GA-A) and 3 (GA-H) in their triterpene lanostane structure; so hydroxylated triterpenes from *G. lucidum* could be promising natural agents for the therapy of invasive breast cancers.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.03% Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 252 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Jiang J, Grieb B, Thyagarajan A, *et al. Int. J. Mol. Med.*, 2008, 21(5):577-84.

[2] Wang X M, Guan S H, Liu R X, *et al. Journal of Shenyang Pharmaceutical University*, 2007, 24(07):407-9.

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